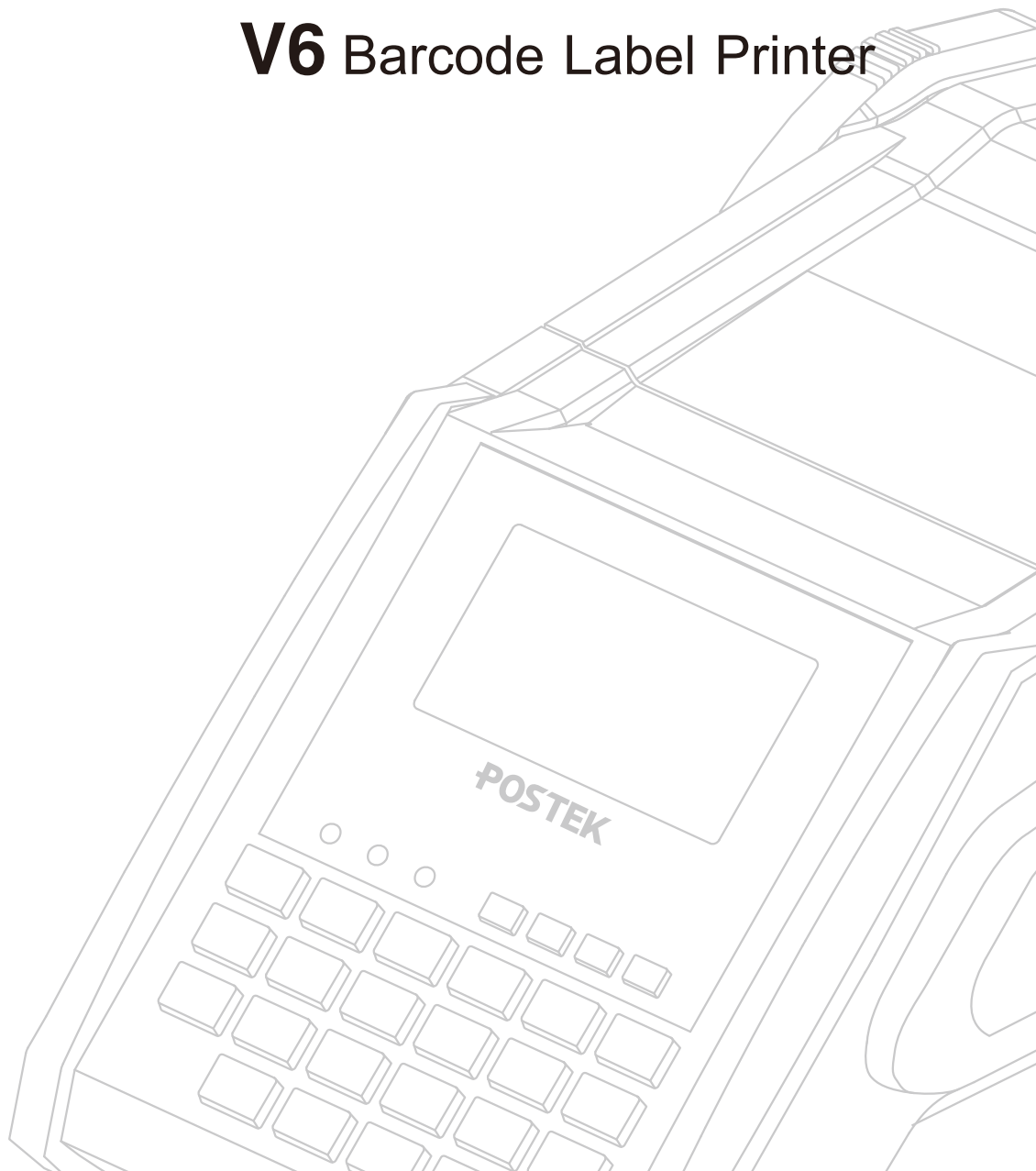# POSTEK

RUGGED PARTS, DURABLE MACHINES

User's Manual

V6 Barcode Label Printer

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment may generate, use and/or radiate radio frequency energy. If not installed and used in full accordance with this User's Manual, interference to radio communications may occur. This equipment complies with the limits for a Class A Information Technology Equipment pursuant to Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may also cause interference. In such case the user, at his/her expense, will be required to correct the interference using whatever means necessary.

Trademarks

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POSTEK V6 Portable Label Printer User's Manual
5th edition February 2015

Disclaimer

This manual has been validated and reviewed for accuracy. The instructions and descriptions it contains are accurate for POSTEK V6 Label Printer at the time of this manual's printing. However, succeeding printers and manuals are subjected to change without notice. POSTEK assumes no liability for damages incurred directly or indirectly from errors, omissions or discrepancies between printers and this manual.

Although this manual describes and details many issues which could possibly occur, the manufacturer cannot warrant against unpredictable conditions during the printing process. For problems such as the printer not working, printing content lost or printing quality poor, etc., contact the manufacturer or an authorized service providers for appropriate corrective measures (in compliance with the POSTEK printer's warranty). In no event shall the manufacturer or resellers involved be liable for any damages whatsoever (including without limitation: damages for loss of business profits, business interruption, loss of business information, or other pecuniary losses) arising from the use of, the results of use or inability to use this product, even if the manufacturer has been advised of the possibility of such damages.

Important Safety Instructions

♦ Only qualified and trained authorized POSTEK service providers should attempt to disassemble or repair the printer. Incorrect disassembling of the product or its power adaptor may cause an electronic short, human injury or printer component damages.

♦ Do not place the printer or the battery on or near a heat source. Do not load, unload or recharge the battery near a heat source. Do not heat the battery with any heating devise. Do not discard V6 or its battery into fire.

♦ If the printer or its battery is wet or broken, stop using it immediately and contact an authorized service provider.

♦ Handle a charged battery properly. Do not touch the battery's electrodes with conductors such as keys, metal or jewelry, as this can cause injury. Use only POSTEK provided batteries.

♦ In case of electrolyte leaks, do not rub eyes. If electrolyte contacts eyes, wash eyes immediately and thoroughly with running water. Contact a doctor if needed.

♦ If electrolyte spills on skin or clothes, rinse thoroughly with water.

♦ To avoid getting an electric shock, do not use a worn or damaged power cord and avoid placing heavy objects on cord. If the power cord becomes damaged or frayed, replace it immediately.

Warnings:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures (see FCC Notice).

Static electricity that accumulates on the surface of the human body or other objects can damage the print head or electronic components in the V6 printer. Observe proper electrostatic safety precautions when handling.

Power off the printer when not in use for extend periods.

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POSTEK

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Preface

Your POSTEK V6 barcode label printer provides many outstanding features to enjoy. It is a versatile and portable printer allowing for one-the-spot label creation or by downloading label forms previously created using label software with the capacity to store hundreds of forms for easy retrieval.   The V6 also has Bluetooth built in, providing an optimal solution for managing off-site label printing applications.   The printer supports both direct thermal and thermal transfer printing methods, has many ease-of-use features, is lightweight, weighing only 1.2 kgs, and is powered by a long lasting Lithium ion rechargeable battery.

This manual explains how to set up and begin using your POSTEK V6 printer. It also provides detailed information on configuring your V6 printer, basic operations, maintenance and troubleshooting.

Please read this manual carefully and completely before using the POSTEK V6 printer.

Chapter 1: Introduction

Technical Specifications

Printer Specifications

Mode	V6
Printing method	Direct Thermal and Thermal Transfer
Printing resolution	203 dpi (8 dots/mm)
Max printing width	1.89″ (48 mm)
Max printing length	39.37″ (1,000 mm)
Memory	8MB FLASH ROM, 8MB SDRAM
Media	Width: 2.17″ (55 mm) max., 0.4″ (10 mm) OD: 3″ (76.2 mm) max., ID: 1″ (25.4 mm) min.
Label thickness (includes liner)	0.0023″ ~ 0.008″ (0.06 mm ~ 0.20 mm)
Ribbon	Max width: 2.0″ (51 mm); Max length: 82′ (25 m) OD 1″ (25.4 mm) max., ID 0.05″ (12.7 mm) Ink side: Out
Media sensor	Reflective
Bar Code types	1D Barcodes: Code 39, Code 93, Code 128/subset A, B, C, Codebar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128 2D Barcodes: MaxiCode, PDF417, Data Matrix, QR Code
LCD Display	4 line, 128*64 Graphical LCD
Interfaces	USB 2.0, Bluetooth V2.0
Battery	7.4V 2200mAh Lithium ion rechargeable battery
Weight	2.64 lbs (1.2 kgs) including battery
Dimensions	W 5.12 x D 10.3 x H 4.02 inches (W 130 x D 262 x H 102 mm)
Operation environment	Temperature: 32° F ~ +104° F (0° C ~ 40° C) Relative humidity: 5% - 85% non condensing

Storage environment	Temperature: 1 month: -4° F ~ +140° F (-20° C ~ +60° C)
	           3 months: -4° F ~ +113° F (-20° C ~ +45° C)
	           > 1 year: -4° F ~ +77° F (-20° C ~ +25° C)
	Relative humidity: 5% ~ 85% non condensing

Optional items*	Manual Cutter, Hand Holding Strap

* Some optional items may require a minimum quantity purchase or factory installation.

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Power Adapter Specifications

| Input	AC 100 ~ 240 V, 47 ~ 63 Hz
Output	DC 9V, 4.0 A
Environment	32° F ~ 104° F (0° C ~ 40° C)

Contents of Box

Inspect the shipping carton(s) for possible shipping damage, if damage is discovered, notify the shipping company to report the nature and extent of the damage.

Please check the items according to the Packing List. If there are any items missing, notify your authorized reseller.

Packing List

V6 Printer	1 pc
Power Adapter	1 pc
USB interface cable	1 pc
Lithium ion rechargeable battery	1 pc
Media Spindle	1 pc
Media Roll Guide	1 pc
Sample Media Roll	1 pc
Sample Ribbon	1 pc
V6 Quick Start Guide	1 pc
Shoulder Strap	1 pc
Protective Carrying Case	1 pc
CD-ROM pack*	1 pc

Note: CD-ROM pack includes V6 printer driver, label software, User's Manual and Programming Manual.
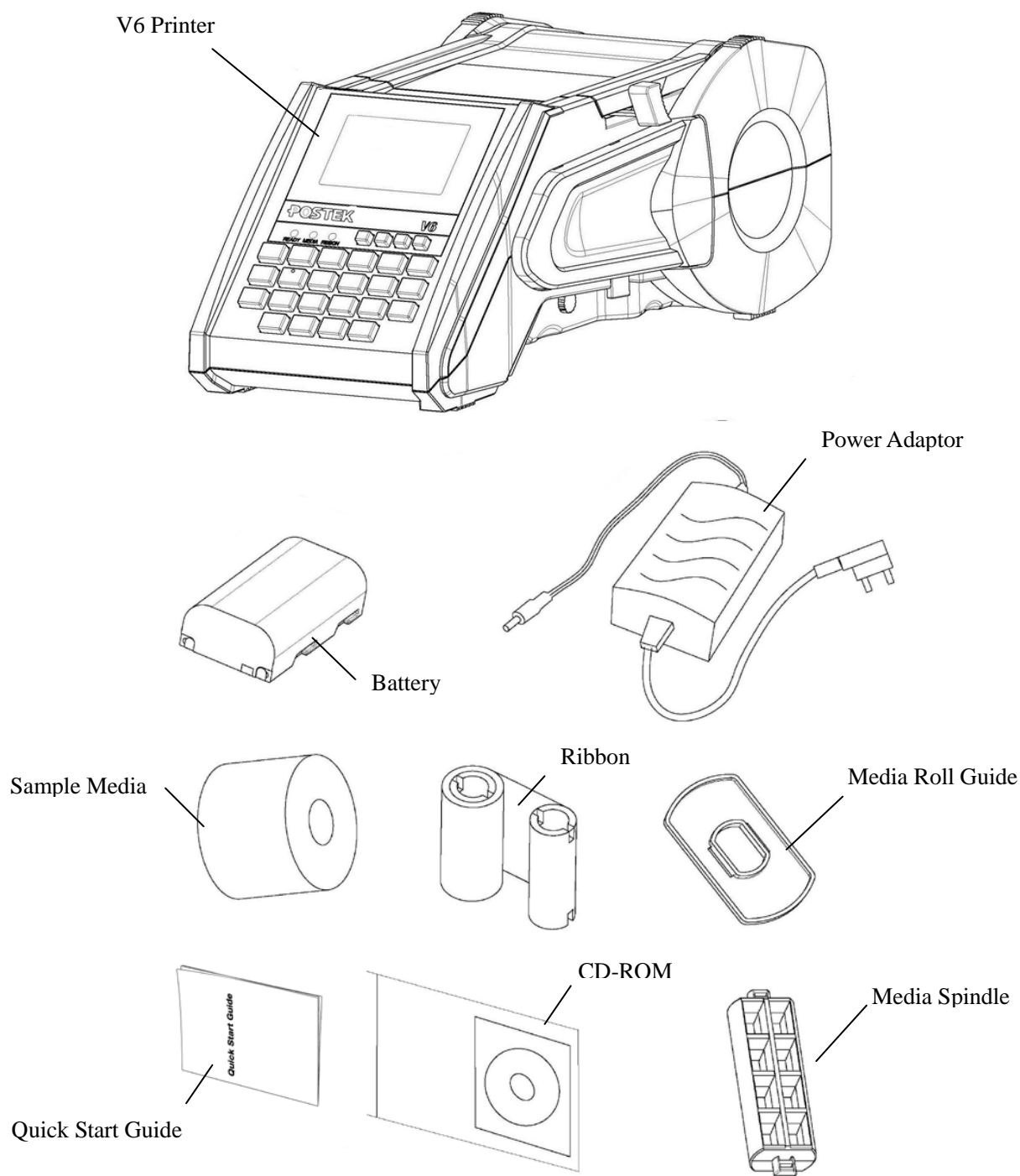
Note: Figure does not show USB interface cable, shoulder strap or protective carrying case.

Figure 1-1: Printer and Components

Chapter 2: Setup and Use

Printer Setup

Main Parts and Structures
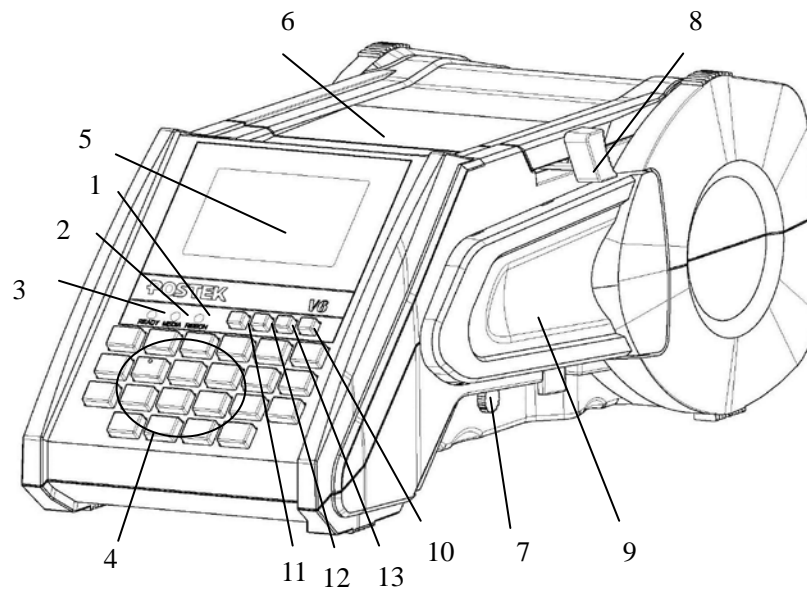
Figure 2-1

1. Status Indicator
2. Charge Indicator
3. DC Power Indicator
4. Keyboard
5. LCD Screen
6. Cover
7. Locking Lever
8. Cutter Handle (the Manual Cutter is an optional item)
9. Ribbon Cartridge
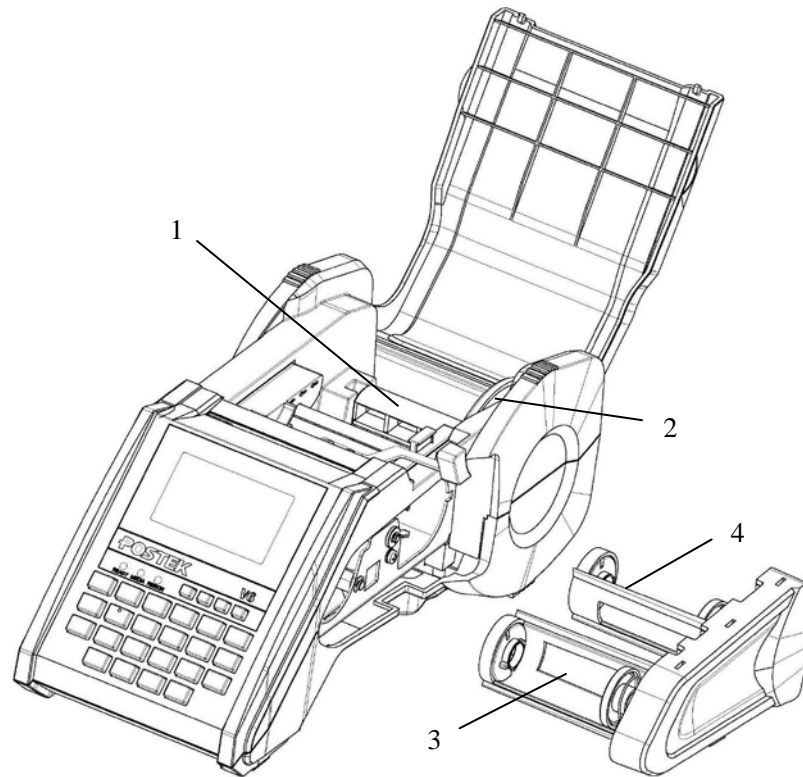10. Power Switch
11. Feed Button
12. Pause Button
13. Cancel Button

Figure 2-2

1. Media Spindle
2. Media Roll Guide
3. Ribbon Take-Up
4. Ribbon Supply
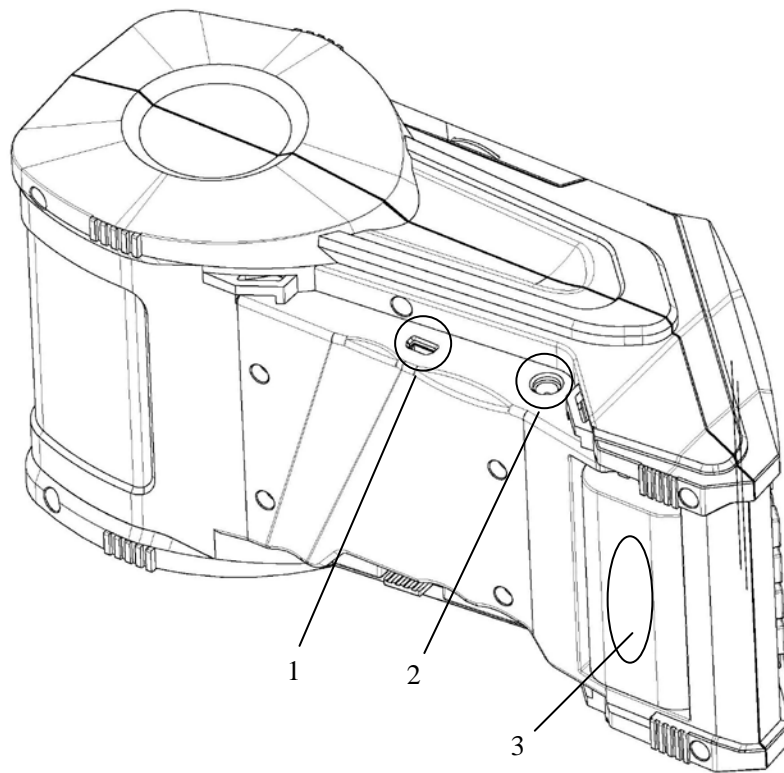
Figure 2-3

1. USB Interface
2. DC IN Port
3. Battery Pack

Connecting the Printer

Warnings:

(1) Using the wrong power adapter will cause damage to your printer. POSTEK assumes no liability for any damage in such cases. The rating for the printer is 9VDC.

(2) Do not operate the printer or the battery near heat sources, liquids or corrosive chemicals.

1. Connect the power cord to the power adapter.
2. Connect the power adapter's DC output plug to the DC IN port on the side of the printer.
3. Plug the power cord into a live wall outlet.

Interface Connection

♦ The V6 uses a USB interface to connect to a computer.

Note: When connecting the V6 to a computer via the USB cable, make sure to utilize the same USB port used during the driver installation process, which enables the printer to retrieve needed commands or data from the PC.   If the same USB port is not available or not known, then in the driver open Printer Properties, click on the Ports tab, and ensure the current port location is checked.

Windows Driver and Label Software

The V6 printer driver is packaged with the printer in the CD-ROM pack, and is compatible with the following operating systems:

- Windows 7
- Windows Vista
- Windows XP
- Windows NT

- Windows ME
- Windows 2003
- Windows 2000
- Windows 98
- Windows 95

Drivers can also be downloaded from www.postektechnologies.com

Note: Before updating a driver, always first remove the old version(s) that may be loaded on your computer.

Each V6 printer comes with a powerful barcode label editing software which is on the CD-ROM supplied with the printer.

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Using the Battery

Warnings:

(1) Be sure to read the **Important Safety Instructions** section in this manual before using the battery.

(2) Using a battery other than the one supplied with the V6 may cause fire, explosion, leakage or other dangers. Using an improper or damaged battery may cause fire, explosion or other dangers.

(3) Follow local regulations for proper disposal or recycling of the battery.

Installing the Battery

1. Place the battery into the V6 as shown (Figure 2-4)
2. Firmly slide the battery to the left until you hear a click (Figure 2-5)

Battery Release Lever

Battery Lock Lever

Figure 2-4

Click
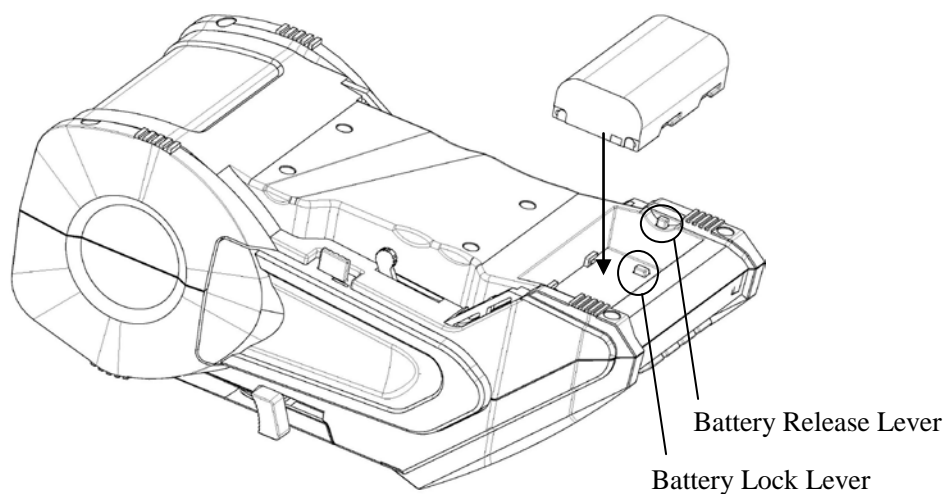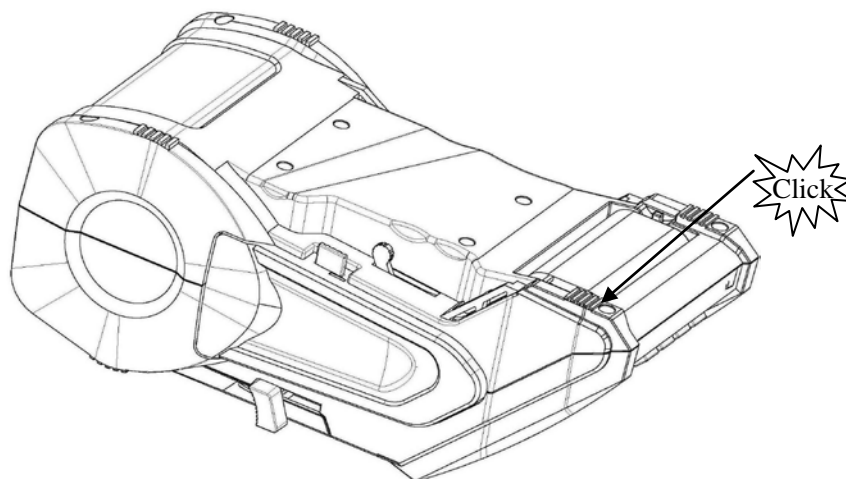
Figure 2-5

Charging the Battery

Note: The battery is shipped uncharged. Before use, charge the battery for a minimum of eight hours.

Insert the battery into the V6 and charge by connecting the V6 to a power supply using the Power Adaptor. The V6 power switch can be on or off while the battery charges.

Installing the Ribbon

Warnings:
(1) The V6 supports ribbons with ink on the outside only.
(2) Always install a ribbon with the ink side facing outwards. The ink side of the ribbon must face the media and NOT the Printhead.

1.   Push the Locking Lever, located on the bottom right side of the printer, to the unlocked position.
2.   Remove the Ribbon Cartridge from the printer by sliding it out (Figure 2-6).
3.   Unpack and load the ribbon roll onto the ribbon supply side, making sure to align the Guide Wheel Ridge with the grooves in the ribbon core (Figure 2-7).
4.   Load the leading edge of the ribbon to the ribbon core in the ribbon take-up area.
5.   Turn the Guide Wheel on the left side of the core to smooth out the ribbon (Figure 2-8).
6.   Insert the loaded ribbon cartridge into the printer.
7.   Push the Locking Lever to the locked position to close the Printhead and lock the ribbon cartridge in place.

Figure 2-6

Ribbon Core Grooves

Guide Wheel

Guide Wheel Ridge

Pressure Plate
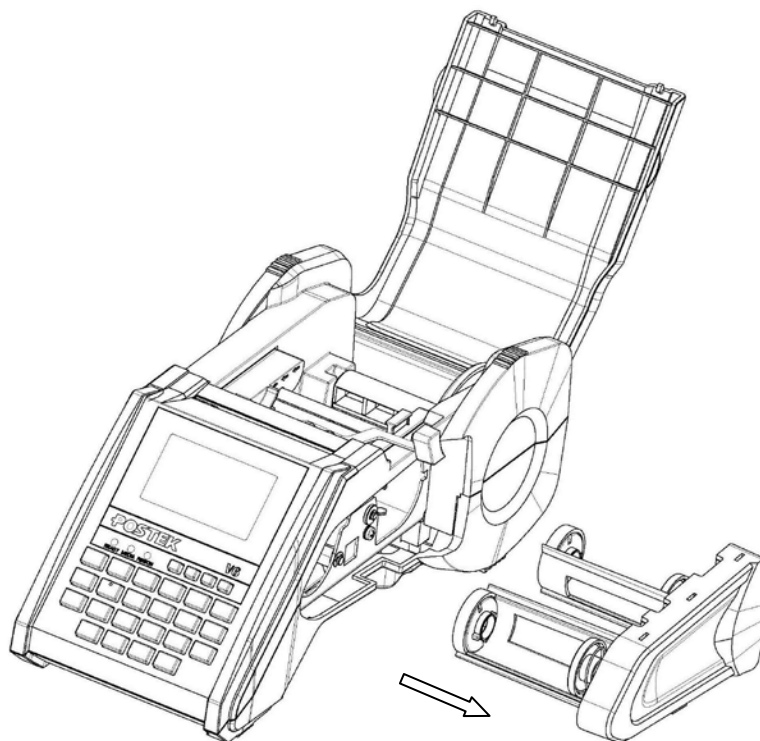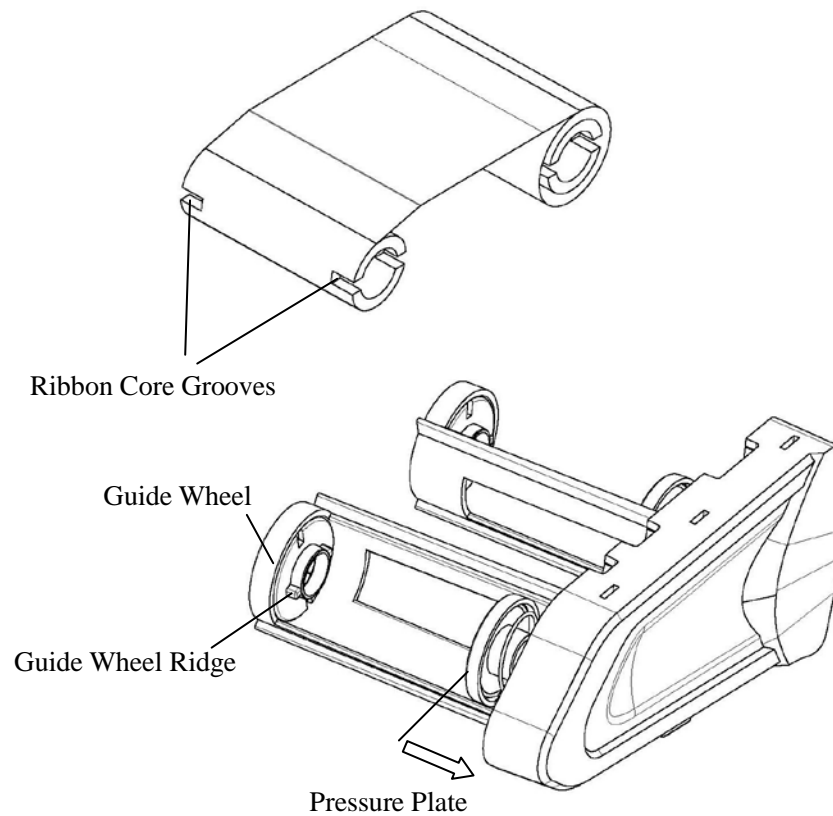
Figure 2-7

Turn the Guide Wheel to tighten the ribbon.
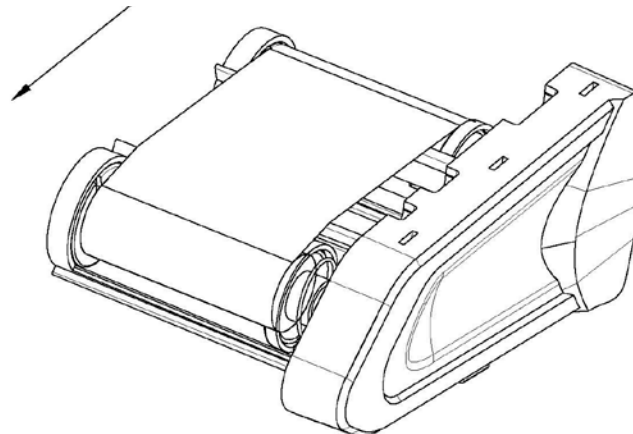
Figure 2-8

Installing a Media Roll

Warnings:

(1) Labels may be wound inward or outward.   Regardless of how labels are wound, always load the media roll with labels facing down.

(2) Don't forget to perform a Media Calibration after loading media.

1.   With the printer turned off and the Locking Lever in the Locked position, open the printer's top cover (Figure 2-9) to remove the Media Spindle and Media Roll Guide (Figure 2-10) from the media compartment.

2.   Load a Media Roll, with labels facing down, onto the Media Spindle.

3.   Slide the Media Roll Guide onto the Media Spindle from the right side with its smooth surface facing towards the media (Figure 2-11).

4.   Insert the complete unit back into the media compartment.

5.   Lead the media above and over the two supporting rods, following the path shown by the small arrows on the side wall (Figure 2-12); push the labels inward as far as possible.

6.   Slide the Media Guide to the outside of the media.

7.   Power on the printer and press Feed to feed the media and ensure proper tracking.

8.   Always perform a media calibration after each new roll of labels has been installed. (See Media Sensor Calibration).

Figure 2-9

Media Spindle

Media Roll

Media Roll Guide
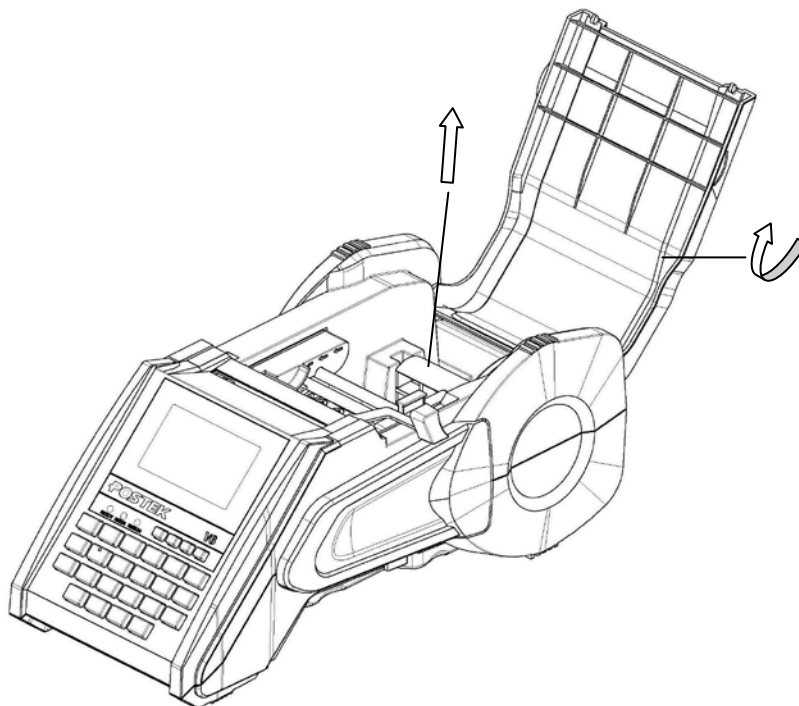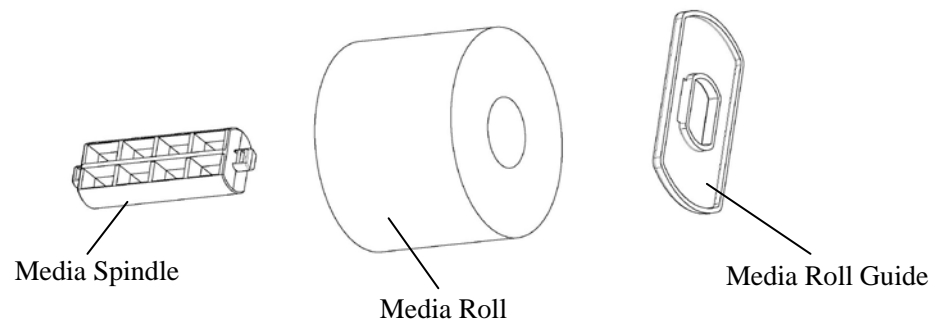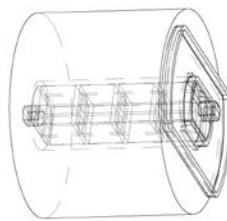
Figure 2-10

Figure 2-11

Load media according to path indicated
by small arrows on side wall
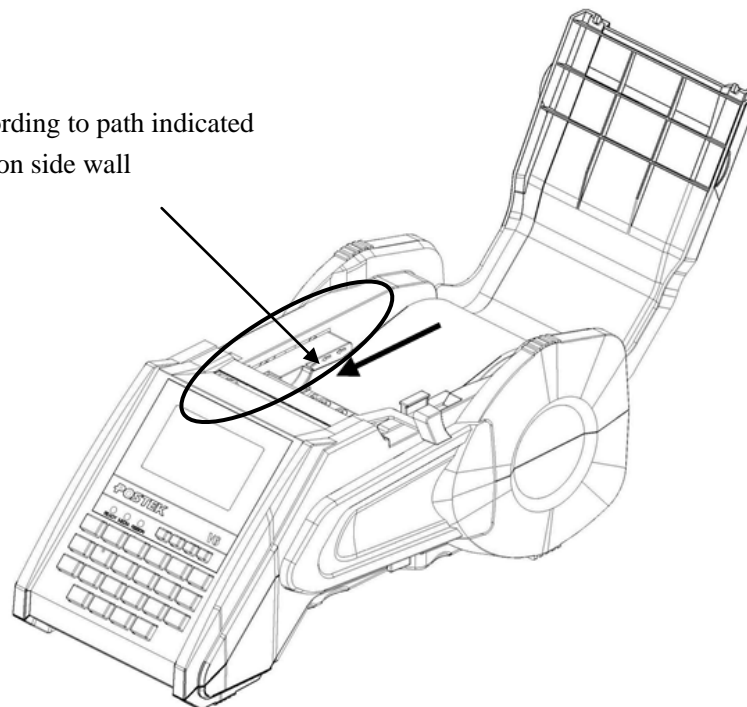
Figure 2-12
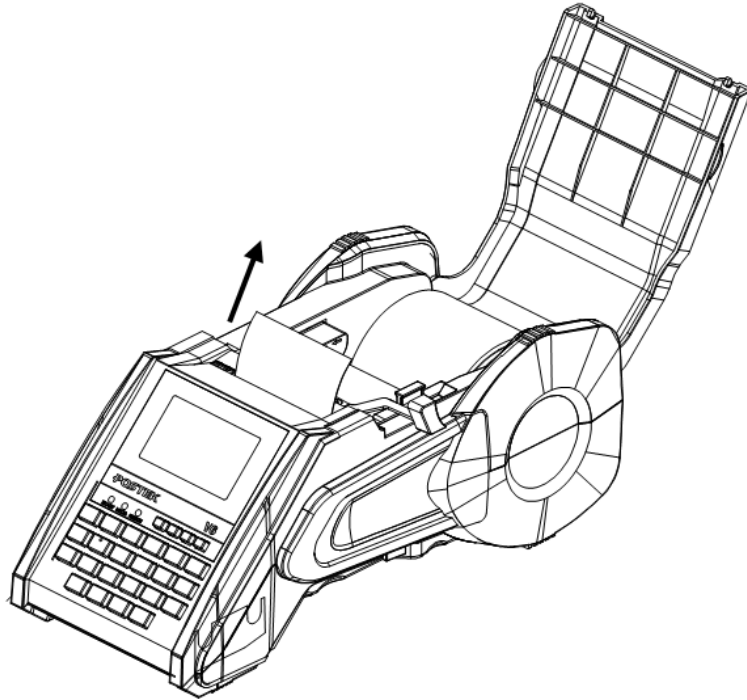
Figure 2-13

Reflective Media Sensor

The V6 employs a non-adjustable Reflective media sensor positioned on the left side of the unit. The media sensor will automatically detect the media's gaps, black marks or notches after a successful media calibration (see Media Sensor Calibration).

If utilizing custom ordered labels with black marks for notches, ensure they are positioned on the left side of the media, and that black marks or notches are no less than 3 millimeters from the edge of the media.

Media Sensor Calibration

A Media Sensor Calibration is necessary after each new roll of media has been loaded.

1. After loading media, turn the printer on and press ![CANCEL], hold for 4 seconds, when the LCD screen displays

   "SYSTEM MODE" release the ![CANCEL] button

2. Press ![FEED], the V6 printer will feed several labels. The "STATUS" indicator will stop blinking; the media sensor calibration is complete

Notes:

(1) For fast calibration, under the opening screen, press the ![Func] key, and then press the ![FEED] key.

(2) If label length is greater than 100 mm, set the DETECT LENGTH option from the Setup menu. (See Detect Length).

Chapter 3: Operations and Settings

The front panel of the V6 printer comprises the following parts:

♦   Keyboard
♦   3 LED indicators:
  –   DC_POWER indicator
  –   CHARGE indicator
  –   STATUS indicator
♦   Graphical LCD Screen.

Keyboard

Keyboard Layout
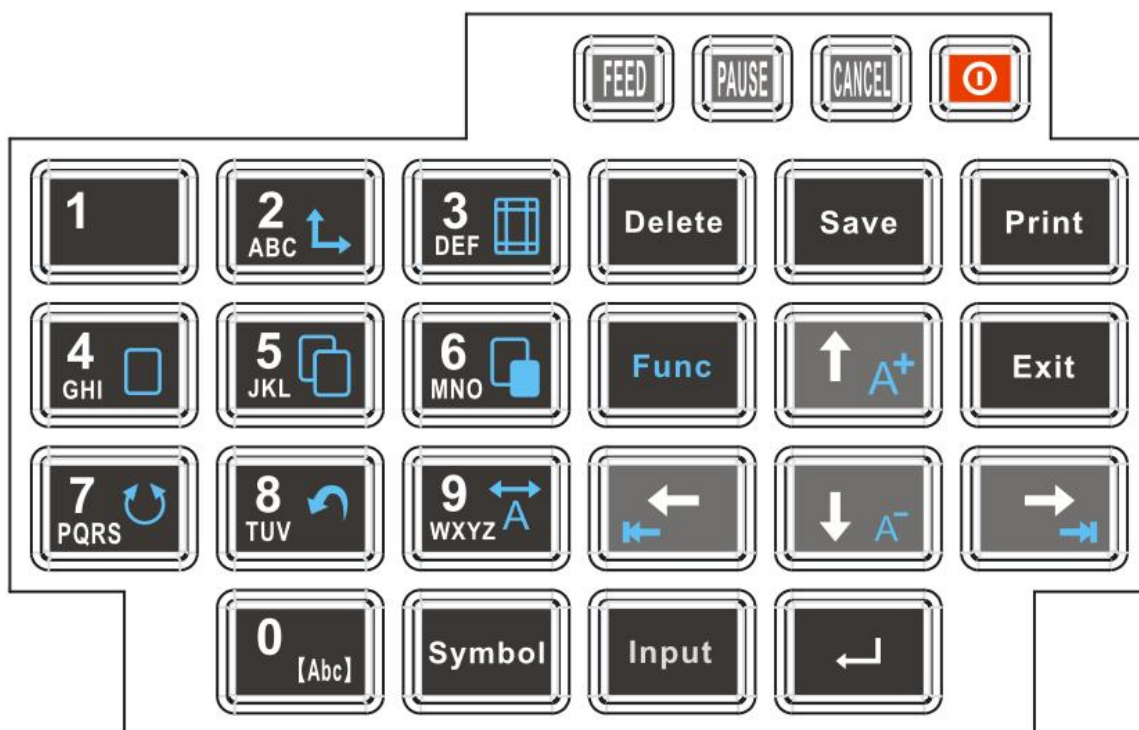
Figure 3-1

Keyboard Functions

Become familiar with the V6 keyboard functions:

Power button

Advances to the next label

Pauses current printing job

Cancels current printing job

Exits and reverts back to the previous menu

Increases the value

Decreases the value

Jumps to the previous item

Jumps to the next item

Enters / Confirms

Deletes a character or a label form

Inputs a character (see Input Methods).

Toggles through input methods

Prints a label

Saves the currently displayed form

Activates the secondary functions on the other keys

LED Indicators

DC_POWER: This indicator is on when the printer is powered by an external DC power adaptor.
CHARGE: This indicator is on when battery charging is in process. When charging is complete, it turns off.
STATUS: Green indicates that the printer is in working order and red indicates that an error has occurred.

Indicator descriptions: DC_POWER CHARGE STATUS

○ **: Off**   ● **: Green light**   ● **: Red light**   **: Green light blinking**
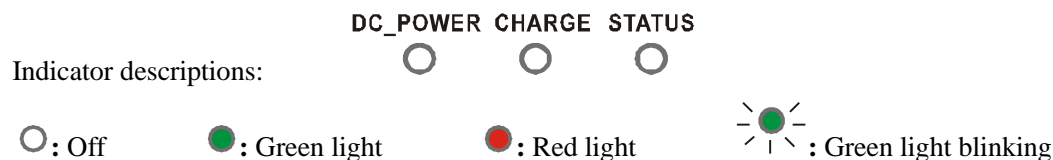
Power	When indicators display:	State of printer is:
Battery use only	DC_POWER ○ CHARGE ○ STATUS ○	Power off
	DC_POWER ○ CHARGE ○ STATUS ● (red)	1. Start/Shutdown 2. Error
	DC_POWER ○ CHARGE ○ STATUS ● (green)	1. In working order
	DC_POWER ○ CHARGE ○ STATUS ● (green blinking)	1. Transferring data 2. Pauses 3. Configuring system 4. Setting
Connected via the DV 9V Power Adaptor, with or without a fully charged loaded battery.	DC_POWER ● CHARGE ○ STATUS ○	Powered off
	DC_POWER ● CHARGE ○ STATUS ● (red)	1. Start/Shutdown 2. Error
	DC_POWER ● CHARGE ○ STATUS ● (green)	1. In working order
	DC_POWER ● CHARGE ○ STATUS ● (green blinking)	1. Transferring data 2. Pauses 3. Configuring system 4. Setting
Connected via the DV 9V Power Adaptor while the battery is charging.	DC_POWER ● CHARGE ● STATUS ○	Power off
	DC_POWER ● CHARGE ● STATUS ● (red)	1. Start/Shutdown 2. Error
	DC_POWER ● CHARGE ● STATUS ● (green)	1. In working order

	DC_POWER CHARGE STATUS	1. Transferring data
		2. Pauses
		3. Configuring system
		4. Setting

Basic Operations

The basic operations of the V6 printer follow.

Power On

Press and hold the power button   for 1 second before releasing. The red STATUS indicator and backlight will light up.   Wait until STATUS turns green and the opening screen appears; the printer is ready.

Power Off

With the printer turned on, press and hold the power button   , the STATUS indicator will turn red, then release the power button to power off the printer.

LCD Opening Screen

The opening screen of the LCD display will be the starting point for desired tasks.   Follow the descriptions below for an overview of what each display means.

```
1 ←  READY   12:25:36  → 5
2 ←  1.Design Label
3 ←  2.Select Form
4 ←  3.Setup          ▯  → 6
```
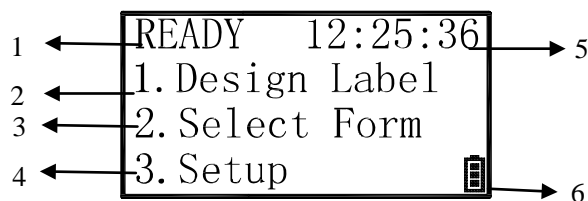
Figure 3-2

Descriptions:

1. The printer is in Ready mode.

2. Press   to open or create a label.

3. Press to select a label form which has previously been downloaded into the printer.

4. Press to enter the setup menu to set up menu options (See Menu and Sub Menu Descriptions).

5. Real time clock display
6. Battery condition icons or power icon:

When in battery use, the battery icon changes as the battery charge depletes:

When operating with the power adapter, the icon changes to:

Menu Settings

To set up the printer, turn the printer on and from the opening screen, press for Setup. To easily operate the menu, use the following keys:

：Jump to the previous option

：Jump to the next option

：Enter/Select

Exit ：Exits and reverts back to the previous menu

：Increases the current value displayed

：Decreases the current value displayed

Menu and Sub Menu Descriptions

MAIN MENU	SUB MENU	DESCRIPTION
COMMON SET	PRINT MODE	Options: "DIRECT THERMAL" or "THERMAL TRANSFER"; Default setting: THERMAL TRANSFER
	TEAR OFF	Options: ENABLE, DISABLE; Default setting: DISABLE.
	CUTTER	Options: ENABLE, DISABLE; Default setting: DISABLE.
		When set at 0, printer will accept the default setting or command setting,

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	DARKNESS		if not set at '0', printer will not accept the default setting or command setting. Default setting: 10.
	RETURN		Return to main menu.
OFFSET SET	TEAR OFF		Set value. Default setting: +00
	POSITION'G		An abbreviation for Positioning, this shows the pixel value. The set pixel value is 0.125 mm. Increasing the value adds to the existing value or command value. Default setting: +00.
	CUTTING		Default setting: +00.
	RETURN		Return to main menu.
LANGUAGE	中文		Sets LCD to Chinese language.
	ENGLISH		Sets LCD to English language. Default: English
	RETURN		Return to the main menu.
CLEAR	SET CHANGES		Clears only those settings accomplished through the front panel.
	GRAPHICS	VIEW	To view label names that contain graphics.
		DEL 1 by 1	Select the stored graphic, and press Enter to delete the one with the name currently displayed.
		DEL ALL	Delete all the graphics stored.
	RETURN		Return to main menu
DISPLAY SET	SET DATE		Set system date.
	SET TIME		Set system time.
	DATEFORMAT		Specifies date format.
	TIMEFORMAT		Specifies time format.
	LCD DELAY		Sets the amount of time from no keyboard activity to when the LCD screen backlight distinguishes.
	PW DELAY		Sets the amount of time from no printer activity to when the printer is power off.
	CONTRAST		Adjust LCD brightness. Range from 0 – 99.
	RETURN		Return to main menu.
SELF TEST	PRINT		A Self Test will be printed.
	RETURN		Return to main menu.
RESET	RESET		Reset the printer to the factory default settings.
	CANCEL		Cancels the reset operation.
DETECT LENGTH	LENGTH		Adjust the media sensor calibration to accommodate labels longer than 100mm. Options: 100mm, 200mm, 300mm, 400mm, 500mm. Default: 100mm.
	RETURN		Return to main menu.
EXIT			Exit

Following are a few examples of options that can be performed under Setup.

Self Test

1. Press [3 DEF] under the opening screen to enter the setup menu.

2. Toggle through the menu using the [→] key and select the option SELF TEST using the [↵] enter key.

3. Enter the [↵] enter key again to select ◀PRINT▶, the printer will print out a configuration report. The STATUS indicator will stop blinking and remain lit. The printer is back to a normal state

The following information will be printed on the self-test report:
- Hardware configuration and status
- Firmware version
- Label parameters
- Font list

Reset

1. Press [3 DEF] under the opening screen to enter the setup menu.

2. Toggle through the menu using the [→] key and select the option ◀RESET▶ using the [↵] enter key.

3. Press [1] to confirm
4. The printer will be reset to the factory default settings
5. Power off printer after a RESET.

Note: The printed label count and printed length may not be reset.

Detect Length

The default media detecting length is 100 mm. To set the detection for labels longer than 100 mm, use the minimum value available exceeding the media length. For example, to calibrate a 230 mm label length, set the detect length to 300 mm.

Adjusting Darkness

When the V6 has a fully charged battery or is connected by the power adaptor, the printer will obtain optimal darkness when set to 10.

When using the battery, as the battery's charge empties, print output may become lighter due to power consumption. To adjust the printing darkness to obtain a better printing effect, increase the darkness value in the setup menu.

1. Press ⬛ under the opening screen to enter the setup menu.

2. Select the option ◀COMMON SET▶ using the ⬛ enter key.

3. Toggle through the menu using the ⬛ key and select the option ◀DARKNESS▶ using the ⬛ enter key.

4. Use the ⬛ key to increase the darkness value. Use the ⬛ key to decrease the darkness value.   The value range is from 0 to 20.

5. Press the ⬛ enter key to select the desired value.

6. Press ⬛ to save changes.

Working with Bluetooth

Note: Bluetooth is a standard feature in the V6; however, some models manufactured prior to Dec. 2012 may not include this feature.

Bluetooth is built into the V6 to accommodate a wireless standard of connectivity which emulates a Serial Port Profile (SPP). With Bluetooth, operators can connect wirelessly within the standard range of approximately 30 feet. Make sure the V6 is within wireless range of your laptop or other device.

After the V6 Bluetooth device is discovered by your computer, it will automatically operate when the printer is on and when the correct Bluetooth port is configured in the driver. To connect the V6 Bluetooth functionality with a computer or laptop, follow the steps below.

Note: The following instructions reflect connecting a Bluetooth device using the Windows 7 operating system. Other operating systems may have a different appearance or slightly different steps involved; however, the basic procedures will be similar.

1. Ensure the computer or laptop connecting with the V6 has the ability search for Bluetooth devices. This will require Bluetooth connectivity to be built-in the computer or a Bluetooth adaptor to be utilized. From the computer's Devices and Printers, select "Add a device."   All discoverable devices will display.   The Postek V6 device will display as POSTEK, as shown in Figure 3-3.

2. Double click the **POSTEK Bluetooth** device icon to open the Pairing Code screen.
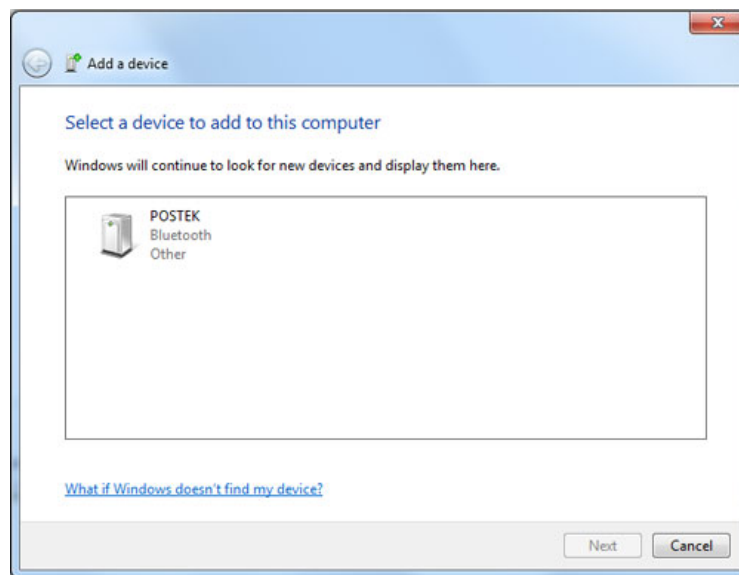
Figure 3-3

Select "**Enter the device's pairing code**" as shown in Figure 3-4, and input "**1234**" as shown in Figure 3-5, and click **Next**.
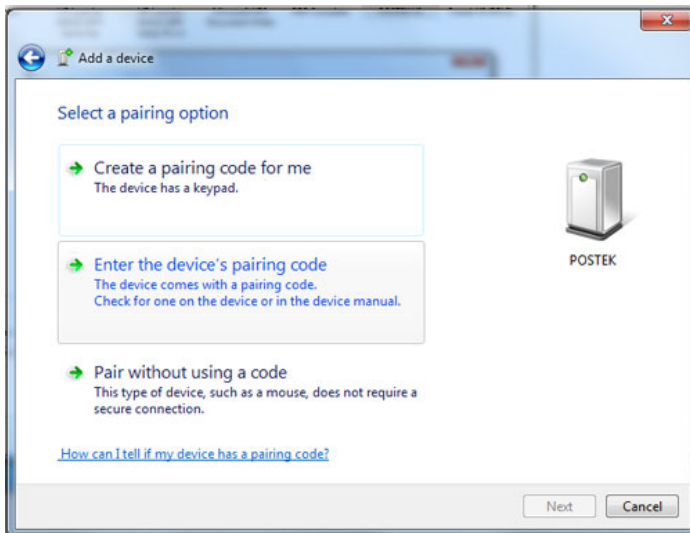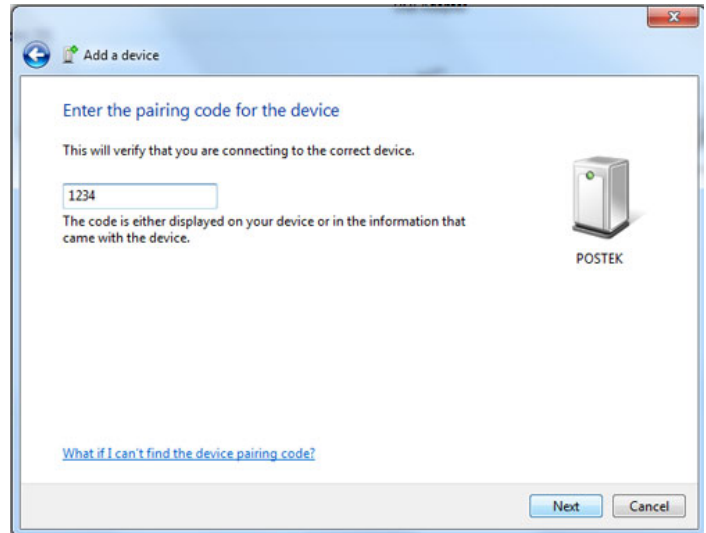
Figure 3-4	**Figure 3-5**

3. The POSTEK V6 Bluetooth device has now been added successfully, as shown in Figure 3-6.
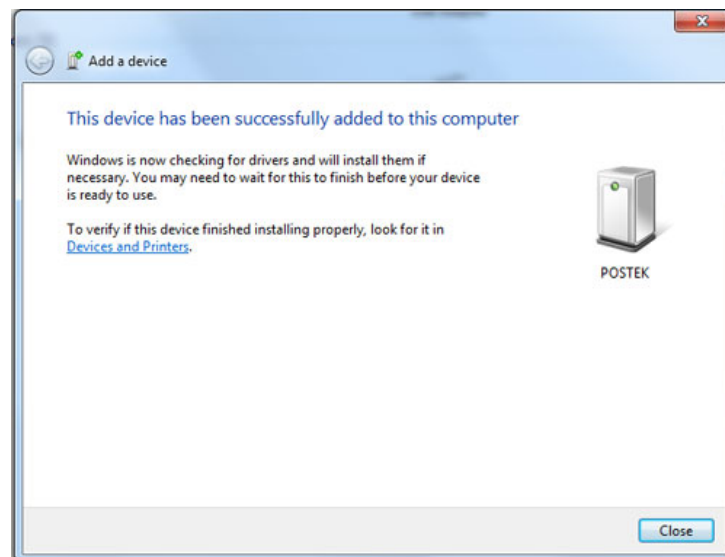
Figure 3-6

4. Now, set the V6 driver port to the assigned Bluetooth port. To determine the assigned Bluetooth port, from the computer's Devices and Printers right click on the POSTEK Bluetooth icon and select the Hardware tab.   The port will be displayed, such as COM1, COM2 or COM3, as shown in Figure 3-7.   Make a note of the displayed port.
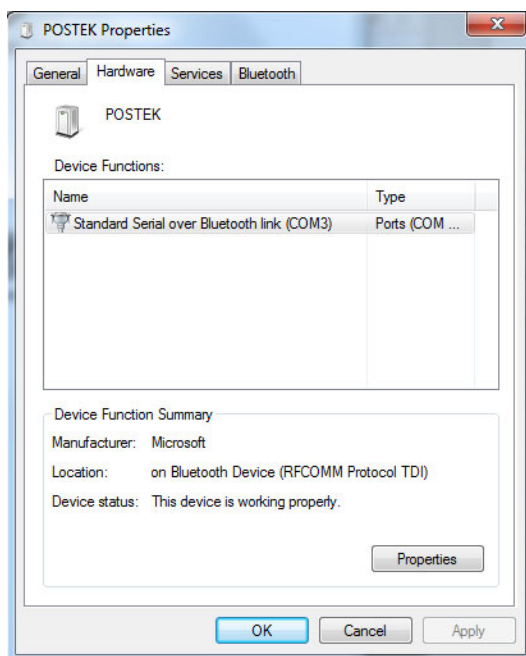
Figure 3-7

5. Next, right click on the V6 driver, select the Printer Properties option, and select the Ports tab.   Place a checkmark next to the assigned port and **Apply** the port. Once the port is applied, it will show next to the port in the port list, as shown in Figure 3-8.
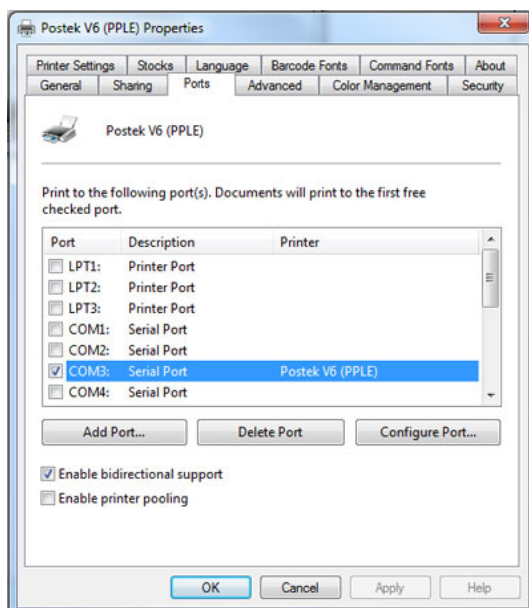
Figure 3-8

6. Check to make sure the V6 driver remains online. If the printer driver is offline, right click on the driver, choose **Printing preferences**, and click on **See what's printing**. Click **Printer** from the top menu, and make sure **Use Printer Offline** is unchecked. See Figure 3-9.
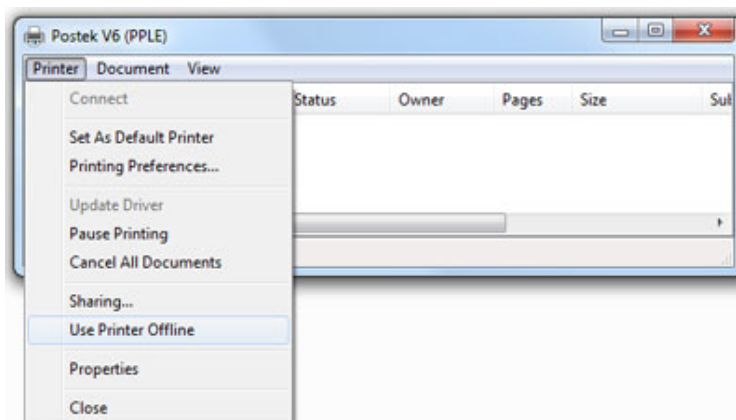
Figure 3-9

7. The printer is now set for Bluetooth connectivity.

For further reference, below are basic parameters, command formats and specifications.

Basic Parameters:

Device Name (1)	POSTEK
Initial PIN Code (Pairing code)	1234

The Device Name and PIN may be modified by sending the below commands to the printer:

Command Format	Function	Example
#UM>BTSET_EN_ON	Display the Bluetooth icon on the screen after connected.	
#UM>BT_SET_EN_OFF	Not to Display the Bluetooth icon on the screen after connected.	
#UM>BTXXXXXX	Modify the Device Name	#UM>BTPOSTEK2 Change the device name to POSTEK2
#UM>BTSET_PINXXXX	Reset the PIN code	#UM>BTSET_PIN4321 Set the PIN Code to 4321

Specifications:

Bluetooth Protocol	Bluetooth V2.0
Frequency	2.4GHz
Transmission Range	Class 2 (10m)
Bluetooth Service	Serial Port Profile (SPP)
Class of Device (COD)	IF 00 (2)

 Note: The COD must be set as shown or connection failure may occur.

Configuration Parameters:

Baud Rate		38400 (Constant)
Data Format	Start bit	1 bit
	Data bit	8 bits
	Parity	none
	Stop bit	1 bit

Chapter 4: Create, Download and Print Labels

The V6 printer can print labels with or without connecting to a computer by the USB interface.   There are two methods of printing labels when not connected to a computer via the USB interface or Bluetooth: pre-designed label forms may be downloaded into the printer's FLASH ROM and selected for printing (see Downloading Label Forms), or labels may be created directly in the V6 using the printer's LCD screen and keypad using the Design Label function.

Design Label

The Design Label option allows a user to open a previously stored label created from the printer's LCD, or allows the creation of a new label using the LCD screen and keyboard input.

Note: The Design Label feature in the LCD screen is intended for on-the-spot label creation when access to label software is unavailable. This feature supports numeric, alphabetic and symbol input elements only.   If a label requires barcodes or other graphics, pre-design the label using label software and download the label form into the printer.

Open a Stored Label

1. Press [1] on the opening screen to enter the Design Label submenu.

2. Press [1] to open a label from an existing label list. This list includes labels made with the Design Label feature only.   Downloaded labels are stored in the Form Index and may be retrieved using the Select Form feature.

3. Use [←] and [→] keys to toggle through all stored labels. If no labels are stored, the LCD screen will display "No label".   Press [↵] to return.

4. Select an existing label. Press [↵] to open the label.

5. If desired, press [Save] to rename and save as a new label, press [↵] to confirm.

6. Press [Print] to input the number of copies to print, and then press [↵] to confirm.

Create a New Label Using the LCD Screen

When creating a new label using the LCD screen, the label form must be formatted before content can be added.

Formatting a New Label

1. Press [1] on the opening screen to enter the Design Label submenu.

2. Press [2 ABC] under Design Label submenu to create a new label.

3. Press [1] to format a new label.   Format elements include the label width, height, max rows, media type, auto-center, and return.

4. Use [←] and [→] keys to toggle through all format elements.   To set each format element, press [↵] to select the element. Then, use the character keys to input the desired values or use the [↵] key to select the desired option.

5. Once format elements have been set, select Return by pressing the [↵] key.

Adding Label Content

1. After the label format has been set, in the New Label submenu press [2 ABC] to add label content.

2. Input label content for each row.   The active row will be highlighted. The maximum number of characters allowed for each row will be different according to the current font size and the label width.   If the maximum number of characters exceeds the limit, a warning will alert. When several rows are formatted, not all rows will display in the LCD.   Press [↵] to line feed down to the next row, or the [↑ A+] and [↓ A⁻] keys to toggle up and down rows.

3. Refer to the [Input Methods](#) section to add numeric content, alphabetic content, and symbol content to a row.   To delete a character, place the cursor in front of the character then press the [Delete] key.

4. Press [Save] to name and save the new label, press [↵] to confirm.

5. Press [Print] to input the number of copies to print, and then press [↵] to confirm.

Input Methods

The V6 supports three types of input methods: numeric, alphabetic, and symbols.   Press the [Input] Input key to toggle through the input methods.   Once the input method is active, simply input the desired information.

1. Number input: When numeric input is activated, 123 will be displayed at the lower right corner of LCD
2. Uppercase input: When uppercase alphabetic input is activated, ABC will be displayed at the lower right corner of LCD
3. Lowercase input: When lowercase alphabetic input is activated, abc will be displayed at the lower right corner of LCD

Symbols

Use the [Symbol] key to insert symbols. Pressing the [Symbol] key will toggle through available symbols.   To select a symbol, once the symbol is highlighted, press the [↵] enter key to confirm.

Title Case

When using the lowercase input method, press [0 [Abc]] to switch to title case (first letter of every word will be capitalized).

Predictive Text Inputting

POSTEK's V6 provides the technology of predictive text input, which allows some common letters to be entered by a single key press instead of toggling through adjacent letters to find the desired one. For example, when in the alphabetic input method, typing "4663" will spell the word "good" due to predictive text input.

Note: POSTEK V6 supports predictive text inputting for over 70 languages; English and Chinese are standard.

Downloading Label Forms

The V6 can also store downloaded label forms from a PC when connected via the USB interface cable and when using PosLabel Express label software.   Approximately 200 forms can be stored depending on file size in the V6's Flash memory.

Note: When connecting the V6 to a computer via the USB cable, make sure to utilize the same USB port used during the driver installation process, which enables the printer to retrieve needed commands or data from the PC.   If the same USB port is not available or not known, then in the printer's Properties Dialogue Box, under the Ports tab, ensure the current port location is checked.

To download forms to the printer:

1. Ensure the V6 is connected to the computer using the USB interface.
2. Using PosLabel Express software, created the form as desired. Save the label.
3. Select File, Export to Printer, as shown. The form name will be the same as the label file name. See Figure 4-1.
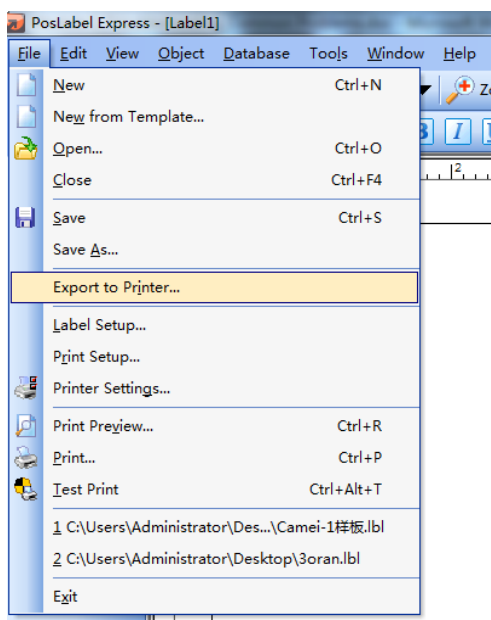
Figure 4-1

4. The form is now stored in the V6. To select it, enter "Select Form" from the opening screen menu and use the
    ⬜ key to locate and select the stored form. Forms will be stored in alphabetical order.

5. If no forms are downloaded, a "No label form" warning will show.

6. Select the desired form from the LCD by pressing the ⬜ key when the form is highlighted.

7. Input the number of labels needed to print and press the ⬜ enter key again to print.

Working with Fixed and Variable Input

When creating labels in the label software, they may be created with both fixed and variable information.   Refer to the software user's manual for label creation instructions.

Variable input may also include input prompts; a great feature to alert the user for the needed variable input prior to printing a label. Variable input may also include sequential output such as a counter or serial number.

Note: When designing labels with variable input, PosLabel Express offers the option to use a Prefix or Suffix. This option operates only when labels are printed using the USB interfaces connection. Prefix or Suffix information will not download into the printer as a label form.

Fixed Input Fonts

There are no limitations on the type of fonts which may be used when creating labels with fix input, regardless of whether the label is printed using the USB interface or is printed from a previously downloaded form. However, on-the-spot label creation using the printers Design Label function will only access the printer's internal fonts.

Variable Input Fonts

There are no limitations on the type of fonts which may be used when sending labels to the printer while the printer is connected with the USB interface or when sending labels to the printer through the Bluetooth wireless connection. However, since the V6 is designed for portable usage, more than likely there will be situations when label forms will be downloaded to the printer and require user input for variable information at a later time.

When designing variable input labels as a downloadable form, utilize only the Postek internal printer fonts for the variable input components. Postek internal fonts are built into the printer's firmware and are therefore rendered in the printer. These fonts do not rely on any other device or system, which enables the printer to use them to print variable input on the label. Select the Printer Fonts icon from the font menu bar and then select one of the POSTEK fonts as shown in Figure 4-2.
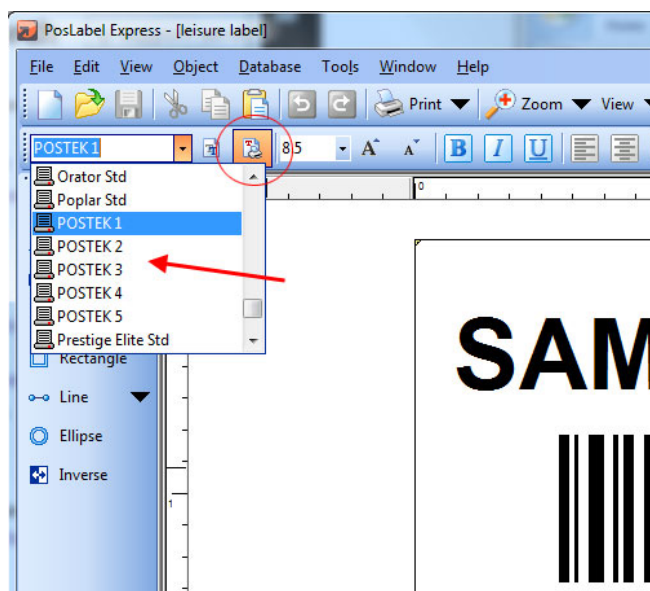
Figure 4-2

Postek internal fonts may also be selected while inputting a Text element using the Font Select browse button, as shown in Figure 4-3. Ensure the Internal Fonts icon is also selected from the font menu bar; otherwise the internal fonts will not appear in the list.
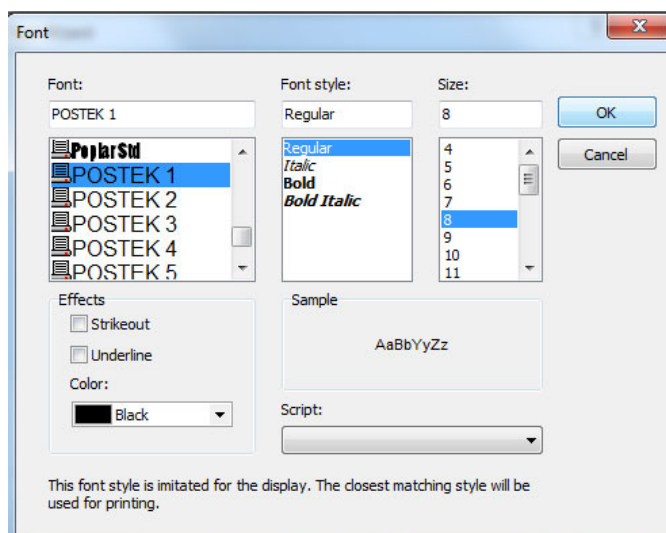
Figure 4-3

Form Index

Form index is used when searching or selecting from multiple stored forms.

To locate an indexed form, press down the number key (1-9) which contains the first letter of the form name. The LCD will display the total number of forms all form names stored under that number.

Forms are searched by the following rules when pressing number keys:

  1 — Character that is equal or less than: @
  2 — Character that is equal or less than: C
  3 — Character that is equal or less than: F
  4 — Character that is equal or less than: I
  5 — Character that is equal or less than: L
  6 — Character that is equal or less than: O
  7 — Character that is equal or less than: S
  8 — Character that is equal or less than: V
  9 — Character that is equal or less than: Z

Press either the [←] or [↑ A+] keys to select the previous form; press either the [→] or [↓ A−] keys to select the next form.

Delete a Form

From the Select Form menu, toggle to select the desired label form, ensure the desired form is highlighted, and then press **Delete** to delete the highlighted form.

Function Key

Press **Func** function key to activate the secondary functions on the keys. "Fn" will display in the LCD screen to indicate that the Function key is activated. The current font size will also display (See Figure 4-4).

Figure 4-4

Font size

Display "Fn"
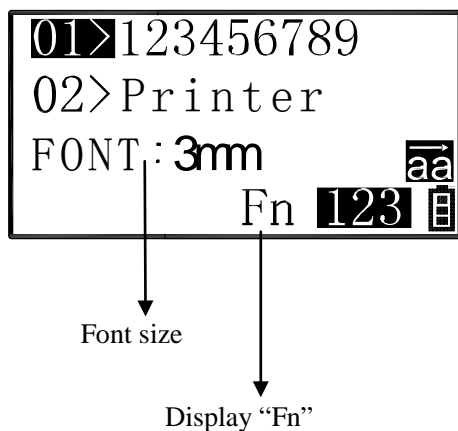
With the Function key activated, implement the following functions by pressing keys:

2 ABC: Enter Row Coordinate settings interface to set the start coordinates of the current row. Select 1. to enter the value for the x axes, and 2. to enter the value for the y axes. Press **Exit** to return.

Note: Prior to setting x and y coordinates, first disable the Auto-Center function, which is one of the formatting options when creating a new label using the Design Label function. Select Design Label / Create / Formatting, and toggle to Auto-Center, and toggle again to Disable and select.

3 DEF: Enter Margins settings interface (Top, Bottom, Left and Right). Specify margin values (in millimeters). Press **Exit** to return.

4 GHI: Enter Frame settings interface to draw a frame for the label (if desired). Press **Exit** to return.

5 JKL: Copy data from current row.

6 MNO: Paste data to current position, the number of characters should not exceed 99.

7 PQRS: Enter Orientation Settings interface to set the orientation of the current row (Landscape or Portrait) or to rotate the row 0, 90, 180, or 270 degree. Press **Exit** to return. (See Orientation Signs for a list of sign descriptors).

8 TUV: Undo the Paste action (applicable for the current row).

9 wxyz A : Adjust the characters' horizontal scale value on the current row. Options include: Full-width, Half-width, 2/3, Double-width, and Auto.

↑ A⁺ : Increase the font size by 1 mm, the maximum size is 48 mm.

↓ A⁻ : Decrease the font size by 1 mm, the minimum size is 3 mm.

← : Set the cursor to the beginning position of the current row.

→ : Set the cursor to the end position of the current row.

Delete : Delete the row.

Note: When the Function key is activated, pressing any key other than the ones listed above will result in returning to the Label Editing interface.

Orientation Signs

In the label editing interface, an orientation sign appears in the lower right corner of the LCD screen. Orientation signs indicate orientation of the label text.

aa : Horizontal, 0 degree

aa↓ : Horizontal, 90 degree.

↑aa : Horizontal, 270 degree.

↓aa : Vertical, 0 degree.

aa : Horizontal, 0 degree with frame (inversed color signs represent labels that include a frame).

ee← : Horizontal, 180 degree.

←aa : Vertical, 90 degree

ee↑ : Vertical, 180 degree

Chapter 5: Maintenance

Warnings

(1) Make sure the printer is powered off before performing maintenance operations.

(2) The Printhead may be hot due to recent printing.   Wait until the Printhead cools before performing maintenance.

(3) Use only anhydrous isopropyl alcohol to clean the print head.

Cleaning the Printhead

The Printhead is the mechanism that enables the ink to impact the label. Due to the Printheads precision construction and necessary location in the printer, it comes into contact with consumables and therefore is susceptible to dirt accumulation. If dirt is not removed, the Printhead may be damaged. To ensure longevity of the Printhead, follow the recommended maintenance guidelines below:

Note: A Printhead damaged by misuse is not covered under warranty.

Clean the Printhead

Clean the Printhead after every (1) roll of ribbon use or every (3) rolls of label media use. To clean the Printhead:

1. Turn printer power off
2. Open the top cover of V6 printer
3. Remove the cutter, if installed (see "Cleaning the Cutter", item 3)
4. Move the Locking Lever to the unlocked position and remove the ribbon and media
5. Use a cotton swab dipped in anhydrous isopropyl alcohol. Rub the swab along the Printhead until the swab no longer accumulates ink
6. Let the Printhead dry before using the V6 again

Cleaning the Cutter

Cleaning the cutter, if installed, is recommended after 1,000 cuts to protect the cutter from damage by paper dust, glue, etc. To clean the Cutter:

1. Turn printer power off
2. Open the top cover of the V6 printer
3. Remove the two screws holding the cutter in place, and remove the cutter
4. Use a cotton swab dipped in anhydrous isopropyl alcohol. Rub the swab along the blade until clean.

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Cleaning the Platen Roller

The Platen Roller, located at the exit point and underneath labels, supports the labels as they feed out of the printer. The roller can accumulate debris from consumables, such as dirt, sand, dust or glue. To ensure longevity of the Platen Roller, follow the recommended maintenance guidelines below:

Clean the Platen Roller after every (3) rolls of label media used. To clean the Platen Roller:
1. Turn off the printer.
2. Open the top cover.
3. Move the Locking Lever to the unlocked position and remove the ribbon and media.
4. Use a cotton swab dipped in anhydrous isopropyl alcohol. Rub the swab along the Platen Roller while rotating the roller until the swab no longer accumulates ink or debris.

Cleaning the Printer Interior

Over time, the printer's interior may collect dust or debris from the consumables. It is advised to periodically clean the printer's interior in order to prevent the accumulated debris from damaging internal parts.

To clean the printer interior, use a cotton swabs dipped into anhydrous isopropyl alcohol and remove any debris.

Cleaning the Media Sensor

To clean the media sensor, blow the surface and the gap of the media sensor with a blowing device such as a rubber bulb. If needed, use a cotton swab dipped in anhydrous isopropyl alcohol to remove visible debris.

Chapter 6: Troubleshooting

Error Indicators

Printer errors will disable the printer from printing.   The STATUS indicator may blink.   When the Printhead is open, the error information will display on the LCD screen and the printer will stop printing.

Possible errors are as follows:

Media Error Displayed

Cause	Corrective Action
The media sensor cannot detect labels	• Check if media is loaded correctly. • Check the position of the media sensor for proper placement. • Perform a Media Sensor Calibration. **Note:** When using continuous media, make sure "continuous paper" is set in the software and driver
Media runs out	Load a new media roll
Media jammed	Remove the jammed paper
The Media Guide is not firmly positioned against media	Adjust Media Guide position to firmly press against the media
Media sensor is broken	Contact an authorized POSTEK service provider for technical support.

Ribbon Error Displayed

Cause	Corrective Action
Ribbon runs out	Load a new ribbon roll
Ribbon jammed	Clear ribbon jam
Ribbon roll is installed improperly	Re-install the ribbon roll properly (See Installing the Ribbon)
Ribbon sensor is broken	Contact an authorized POSTEK service provider for technical support.

Miscellaneous

Vertical Blank Lines Appear

If the printer prints vertical blank lines as shown in the below picture, it may be due to a dirty or defective Printhead. See the table below for possible causes and solutions.

Cause	Corrective Action
The Printhead is dirty.	Clean the Printhead. Follow the recommended maintenance guidelines for cleaning the Printhead.
Vertical lines still appear after cleaning the Printhead.	Contact an authorized POSTEK service provider for technical support.

Printer Timeout Error Message

Execute following corrective actions:
1. Check the interface cable for proper connection.
2. Ensure the V6 printer is powered on.

If the trouble still exists, please contact an authorized POSTEK service provider for technical support.

Data Sent but Not Printing

1. Ensure the correct driver is chosen in the label software.
2. Ensure the correct USB port is selected in the printer driver.
3. Reset the V6 printer.

If the trouble still exists, please contact an authorized POSTEK service provider for technical support.

Poor Printing Quality

When experiencing poor print quality, check the following:

1. Adjust print darkness setting value in the driver under Printing Preferences/Options Tab.
2. Adjust print speed setting value in driver under Printing Preferences/Options Tab.
3. Clean the Printhead and the platen roller.
4. Poor quality printing may be caused from using a low quality ribbon. Change to higher quality ribbon.
5. Poor quality printing may be caused from using low quality media. Change to higher quality media.

Note: The darkness may also be adjusted in printer's menu. This function is a sub-settings under common settings from the Setup menu.

Note: For errors not listed here, please contact an authorized POSTEK Service Provider for further assistance.

Appendix 1: ASCII Table

	0	1	2	3	4	5	6	7
0	NUL			0	@	P	`	p
1	SOH	XON	!	1	A	Q	a	q
2	STX		"	2	B	R	b	r
3		XOFF	#	3	C	S	c	s
4			$	4	D	T	d	t
5		NAK	%	5	E	U	e	u
6	ACK		&	6	F	V	f	v
7	BEL		'	7	G	W	g	w
8	BS		(	8	H	X	h	x
9			)	9	I	Y	i	y
A	LF		*	:	J	Z	j	z
B		ESC	+	;	K	[	k	{
C	FF		,	<	L	\	l	|
D	CR		-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL

Remarks: €sign is included in the embedded table at DEC128 or HEX 80.

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